

AMENDMENTS TO THE CLAIMS

1. (Currently amended) An image display apparatus comprising:

a display portion including a plurality of light emitting elements corresponding to a plurality of color tones disposed in each pixel, wherein, the light emitting elements including at least a blue light emitting element corresponding to a blue color tone;

a main current driver operable to supply a main current to at least the blue light emitting element for luminance control is supplied to a spontaneous light emitting element corresponding to one of the plurality of color tones in a pixel; [[,]] and

a correcting current driver operable to add a correcting current for chromaticity correcting is added to other at least one of a red light emitting element and a green light emitting element corresponding to at least one of the other color tones in the pixel, the red light emitting element corresponding to a red color tone and the green light emitting element corresponding to a green color tone.

wherein [[,]] the main current and the correcting current are controlled by a pulse driving period.

2. (Currently amended) The image display apparatus according to claim 1,

wherein [[,]] each pixel is composed of three color tones of light emitting elements, and

wherein the red light emitting element and the green light emitting element two color tones of light emitting elements other than the light emitting element corresponding to the color tone to be performed chromaticity correcting emit a small an amount of light to correct a

dispersion of chromaticity of the blue light emitting element ~~elements~~ corresponding to ~~each~~ the blue color tone.

3. (Currently amended) The image display apparatus according to claim 2, wherein ~~[[,]]~~ the three color tones of light emitting elements, of which each pixel is composed, are red, blue and green.

4. (Currently amended) The image display apparatus according to claim 1, wherein ~~[[,]]~~ the main current and the correcting current are controlled by time-sharing.

5. (Currently amended) The image display apparatus according to claim 2, wherein ~~[[,]]~~ the main current and the correcting current are controlled by time-sharing.

6. (Currently amended) The image display apparatus according to claim 3, wherein ~~[[,]]~~ the main current and the correcting current are controlled by time-sharing.

7. (Currently amended) The image display apparatus according to claim 1, wherein ~~[[,]]~~ an amount of light emission by the main current and the correcting current is adjusted by controlling the number of pulse driving or the ratio of frequency of reference clocks (~~widths of reference clock pulses~~).

8. (Currently amended) The image display apparatus according to claim 2, wherein $[[,]]$ an amount of light emission by the main current and the correcting current is adjusted by controlling the number of pulse driving or the ratio of frequency of reference clocks (~~widths of reference clock pulses~~).

9. (Currently amended) The image display apparatus according to claim 3, wherein $[[,]]$ an amount of light emission by the main current and the correcting current is adjusted by controlling the number of pulse driving or the ratio of frequency of reference clocks (~~widths of reference clock pulses~~).

10. (Currently amended) The image display apparatus according to claim 4, wherein $[[,]]$ an amount of light emission by the main current and the correcting current is adjusted by controlling the number of pulse driving or the ratio of frequency of reference clocks (~~widths of reference clock pulses~~).

11. (Currently amended) An image display apparatus comprising:
a plurality of light emitting elements corresponding to RGB of a red color tones tone, a green color tone and a blue color tone (R, G, B) disposed in each pixel,

wherein, in light emission of each light emitting element Li ($i = R, G, B$) based on image data Di ($i = R, G, B$) in respective pixels, an amount of light emission $A_k + A'_k$ is controlled by the number of pulse driving or the ratio of frequency of reference clocks (~~widths of reference clock pulses~~), so as to add an amount of light emission A'_k ($k \neq i$) of at least one of the other

light emitting elements L_k ($k \neq i$) in the respective pixels based on an amount of light emission A_i ($i = R, G, B$) of the light emitting element L_i to an amount of light emission A_k ($k \neq i$) of the light emitting elements L_k ($k \neq i$) based on image data D_k ($k \neq i$).

12. (Currently Amended) The image display apparatus according to claim 11, wherein [[,]] the amount of light emission A'_k ($k \neq i$) of the light emitting elements L_k based on the amount of light emission A_i ($i = R, G, B$) of the light emitting element L_i is set so that chromaticity of each pixel based on a maximum value of the image data D_i ($i = R, G, B$) is corrected to reference chromaticity.

13. (Currently amended) A control method of an image display apparatus ~~with light~~ having a plurality of light emitting elements corresponding to a plurality of color tones disposed in each pixel, the light emitting elements including at least a blue light emitting element corresponding to a blue color tone, the control method comprising:

~~in which a main current for luminance control is supplied~~ supplying a main current to ~~a spontaneous~~ the blue light emitting element ~~corresponding to one of the plurality of color tones~~ in a pixel; and

adding a correcting current for chromaticity correcting ~~is added to other light emitting element corresponding~~ to at least one of a red light emitting element and a green light emitting element ~~the other color tones~~ in the pixel, the red light emitting element corresponding to a red color tone and the green light emitting element corresponding to a green color tone,

~~comprising a step in that~~ wherein the main current and the correcting current are controlled by a pulse driving period.

14. (Currently Amended) A control method of an image display apparatus ~~with having~~ a plurality of light emitting elements corresponding to RGB of a red color tones tone, a green color tone and a blue color tone (R, G, B) disposed in each pixel, the control method comprising:

a step in that, in light emission of each light emitting element L_i ($i = R, G, B$) based on image data D_i ($i = R, G, B$) in respective pixels, controlling an amount of light emission $A_k + A'_k$ ~~is controlled~~ by the number of pulse driving or the ratio of frequency of reference clocks ~~(widths of reference clock pulses)~~, so as to add an amount of light emission A'_k ($k \neq i$) of at least one of the other light emitting elements L_k ($k \neq i$) in the respective pixels based on an amount of light emission A_i ($i = R, G, B$) of the light emitting element L_i to an amount of light emission A_k ($k \neq i$) of the light emitting elements L_k based on image data D_k ($k \neq i$).

15. (Currently Amended) The image display apparatus according to claim 1, wherein [[,]] the light emitting elements are light emitting diodes.

16. (Currently Amended) The control method of an image display apparatus according to claim 8, wherein [[,]] the light emitting elements are light emitting diodes.

17. (Currently Amended) The control method of an image display apparatus according to claim 9, wherein [[,]] the light emitting elements are light emitting diodes.

18. (Currently Amended) The image display apparatus according to claim 4,
wherein $[[,]]$ a driving period corresponding to one image frame is divided into three
divided periods,
wherein $[[,]]$ a pulse driving current for the blue color tone corresponding to the blue light
emitting element as the main ~~currents~~ current is supplied in one of the three divided periods as a
main displaying period, ~~and~~
wherein pulse driving currents for the red and green color tones corresponding to the red
and green light emitting elements ~~other color tones~~ to control the amount of light emission for
correcting chromaticity to be added as the correcting currents are supplied in the other two of the
three ~~parts~~ divided periods as color correcting periods, and
wherein $[[,]]$ an amount of light emission by the main current and the correcting currents
is adjusted by controlling widths of reference clock pulses.

19. (Currently Amended) The image display apparatus according to claim 5,
wherein $[[,]]$ a driving period corresponding to one image frame is divided into three
divided periods,
wherein $[[,]]$ a pulse driving current for the blue color tone corresponding to the blue light
emitting element as the main ~~currents~~ current is supplied in one of the three divided periods as a
main displaying period, ~~and~~
wherein pulse driving currents for the red and green color tones corresponding to the red
and green light emitting elements ~~other color tones~~ to control the amount of light emission for

correcting chromaticity to be added as the correcting currents are supplied in the other two of the three ~~parts~~ divided periods as color correcting periods, and

wherein [[,]] an amount of light emission by the main current and the correcting currents is adjusted by controlling widths of reference clock pulses.

20. (Currently Amended) The image display apparatus according to claim 6,

wherein [[,]] a driving period corresponding to one image frame is divided into three divided periods,

wherein [[,]] a pulse driving current for the blue color tone corresponding to the blue light emitting element as the main ~~currents~~ current is supplied in one of the three divided periods as a main displaying period, ~~and~~

wherein pulse driving currents for the red and green color tones corresponding to the red and green light emitting elements ~~other color tones~~ to control the amount of light emission for correcting chromaticity to be added as the correcting currents are supplied in the other two of the three ~~parts~~ divided periods as color correcting periods, and

wherein [[,]] an amount of light emission by the main current and the correcting currents is adjusted by controlling widths of reference clock pulses.